

**Part III Form 2
Section 11. ANNUAL REPORT.**

Drinking-Water System Number:	220003519
Drinking-Water System Name:	Onaping Potable Water Supply
Drinking-Water System Owner:	Falconbridge Limited, Sudbury Mines/Mill Business Unit (SMMBU)
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2005 to December 31, 2005

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No [<input checked="" type="checkbox"/>]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [<input checked="" type="checkbox"/>] No []</p> <p>www.city.greatersudbury.on.ca</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> <p>City of Greater Sudbury Website: www.city.greatersudbury.on.ca</p> <p>Can also be obtained through Falconbridge Ltd. – Environment & Occupational Hygiene Services (705) 966-3411 Ext: 6426 or 6344</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input style="width: 100px; height: 20px;" type="text"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to: <input style="width: 100px; height: 20px;" type="text"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p>
--	---

Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
Onaping Distribution Works	260006503

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?

Yes [] No []

Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web – Provided to City of Greater Sudbury
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method

Describe your Drinking-Water System

The Onaping Potable Water System (OPWS) was constructed in 1971. This system uses chlorine gas injection for disinfection. The operators of the water supply system are licensed Water Distribution System Level III Operators. The water is supplied to the town of Onaping, which is within the City of Greater Sudbury, and to Falconbridge Limited Onaping /Craig Mine. A 1000 cubic metre storage tank, located in the townsite of Onaping is used to maintain water pressure throughout the system and to store sufficient water for use during peak demand hours. Water for the OPWS is pumped from two groundwater wells. The pumps operate automatically to maintain a minimum level in the potable water storage tank. The water supply is constant and of excellent quality.

List all water treatment chemicals used over this reporting period

Chlorine gas

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Replaced Gas Powered Back-up Motor (to drive pump during power outage) with a new Diesel Back-up Generator.

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

Drinking-Water Systems Regulation O. Reg. 170/03

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of Total Coliform Background Samples	Range of Total Coliform Background Results (min #)-(max #)
Raw	104	0	0	0	N/A
Treated	104	0	0	104	0
Distribution	52	0	0	52	0-6

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity (NTU)	8760	0.031-0.346
Chlorine	8760	0.59-1.01
Fluoride (If the DWS provides fluoridation)	N/A	N/A

NOTE: For continuous monitors use 8760 as the number of samples.

NOTE: Record the unit of measure if it is not milligrams per litre.

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	17/2/05	0.6<MDL	µg/L	No
Arsenic	17/2/05	2<MDL	µg/L	No
Barium	17/2/05	63.5	µg/L	No
Boron	17/2/05	11.5	µg/L	No
Cadmium	17/2/05	0.1<MDL	µg/L	No
Chromium	17/2/05	3<MDL	µg/L	No
Lead	17/2/05	0.1<MDL	µg/L	No
Mercury	17/2/05	0.02<MDL	µg/L	No
Selenium	17/2/05	3<MDL	µg/L	No
Sodium	1/11/04	57.6	mg/L	No
Uranium	17/2/05	0.145	µg/L	No
Fluoride	28/1/04	0.06	mg/L	No
Nitrite	17/2/05	0.005<MDL	mg/L	No
Nitrate	17/2/05	0.8155	mg/L	No

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	17/2/05	0.11<MDL	µg/L	No
Aldicarb	17/2/05	0.3<MDL	µg/L	No
Aldrin + Dieldrin	17/2/05	0.067<MDL	µg/L	No
Atrazine + N-dealkylated metabolites	17/2/05	0.12<MDL	µg/L	No
Azinphos-methyl	17/2/05	0.21<MDL	µg/L	No
Bendiocarb	17/2/05	0.13<MDL	µg/L	No
Benzene	17/2/05	0.36<MDL	µg/L	No
Benzo(a)pyrene	17/2/05	0.004<MDL	µg/L	No
Bromoxynil	17/2/05	0.094<MDL	µg/L	No
Carbaryl	17/2/05	0.16<MDL	µg/L	No
Carbofuran	17/2/05	0.37<MDL	µg/L	No
Carbon Tetrachloride	17/2/05	0.34<MDL	µg/L	No
Chlordane (Total)	17/2/05	0.11<MDL	µg/L	No
Chlorpyrifos	17/2/05	0.18<MDL	µg/L	No
Cyanazine	17/2/05	0.18<MDL	µg/L	No
Diazinon	17/2/05	0.081<MDL	µg/L	No
Dicamba	17/2/05	0.17<MDL	µg/L	No
1,2-Dichlorobenzene	17/2/05	0.56<MDL	µg/L	No
1,4-Dichlorobenzene	17/2/05	0.25<MDL	µg/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	17/2/05	0.14<MDL	µg/L	No
1,2-Dichloroethane	17/2/05	0.32<MDL	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	17/2/05	0.52<MDL	µg/L	No
Dichloromethane	17/2/05	1.17<MDL	µg/L	No
2-4 Dichlorophenol	17/2/05	0.15<MDL	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	17/2/05	0.11<MDL	µg/L	No
Diclofop-methyl	17/2/05	0.13<MDL	µg/L	No
Dimethoate	17/2/05	0.12<MDL	µg/L	No
Dinoseb	17/2/05	0.084<MDL	µg/L	No
Diquat	17/2/05	1<MDL	µg/L	No
Diuron	17/2/05	0.087<MDL	µg/L	No
Glyphosate	17/2/05	6<MDL	µg/L	No
Heptachlor + Heptachlor Epoxide	17/2/05	0.11<MDL	µg/L	No
Lindane (Total)	17/2/05	0.056<MDL	µg/L	No
Malathion	17/2/05	0.091<MDL	µg/L	No
Methoxychlor	17/2/05	0.14<MDL	µg/L	No
Metolachlor	17/2/05	0.094<MDL	µg/L	No
Metribuzin	17/2/05	0.12<MDL	µg/L	No
Monochlorobenzene	17/2/05	0.46<MDL	µg/L	No

Paraquat	17/2/05	1<MDL	µg/L	No
Parathion	17/2/05	0.18<MDL	µg/L	No
Pentachlorophenol	17/2/05	0.15<MDL	µg/L	No
Phorate	17/2/05	0.11<MDL	µg/L	No
Picloram	17/2/05	0.20<MDL	µg/L	No
Polychlorinated Biphenyls(PCB)	17/2/05	0.04<MDL	µg/L	No
Prometryne	17/2/05	0.23<MDL	µg/L	No
Simazine	17/2/05	0.15<MDL	µg/L	No
THM (@ distribution system) (NOTE: show latest annual average)	17/2/05	5.15	µg/L	No
Temephos	17/2/05	0.31<MDL	µg/L	No
Terbufos	17/2/05	0.12<MDL	µg/L	No
Tetrachloroethylene	17/2/05	0.48<MDL	µg/L	No
2,3,4,6-Tetrachlorophenol	17/2/05	0.14<MDL	µg/L	No
Triallate	17/2/05	0.10<MDL	µg/L	No
Trichloroethylene	17/2/05	0.54<MDL	µg/L	No
2,4,6-Trichlorophenol	17/2/05	0.25<MDL	µg/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	17/2/05	0.14<MDL	µg/L	No
Trifluralin	17/2/05	0.12<MDL	µg/L	No
Vinyl Chloride	17/2/05	0.08<MDL	µg/L	No

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample

(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)